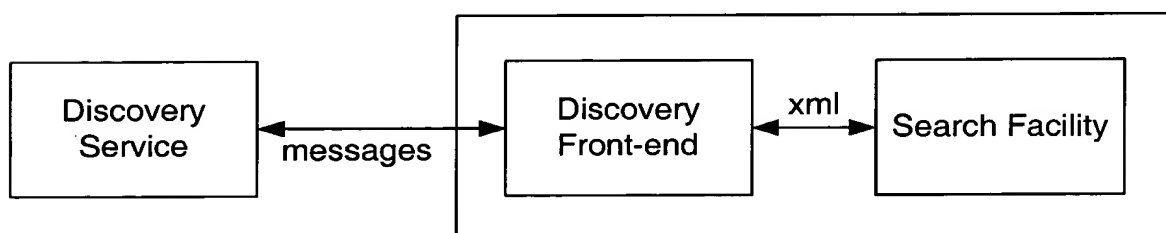


The diagram illustrates a distributed system architecture with three distinct layers. At the top is a rectangular box labeled "Jini Apis / Java Spaces" with the reference numeral 12. Below this is a rounded rectangular box labeled "RMI" with the reference numeral 14. At the bottom is another rectangular box labeled "TCP / IP Capable Networking" with the reference numeral 16. The boxes are arranged vertically, suggesting a stack of protocols or services.

[illegible]

**Fig. 3**



**Fig. 4**

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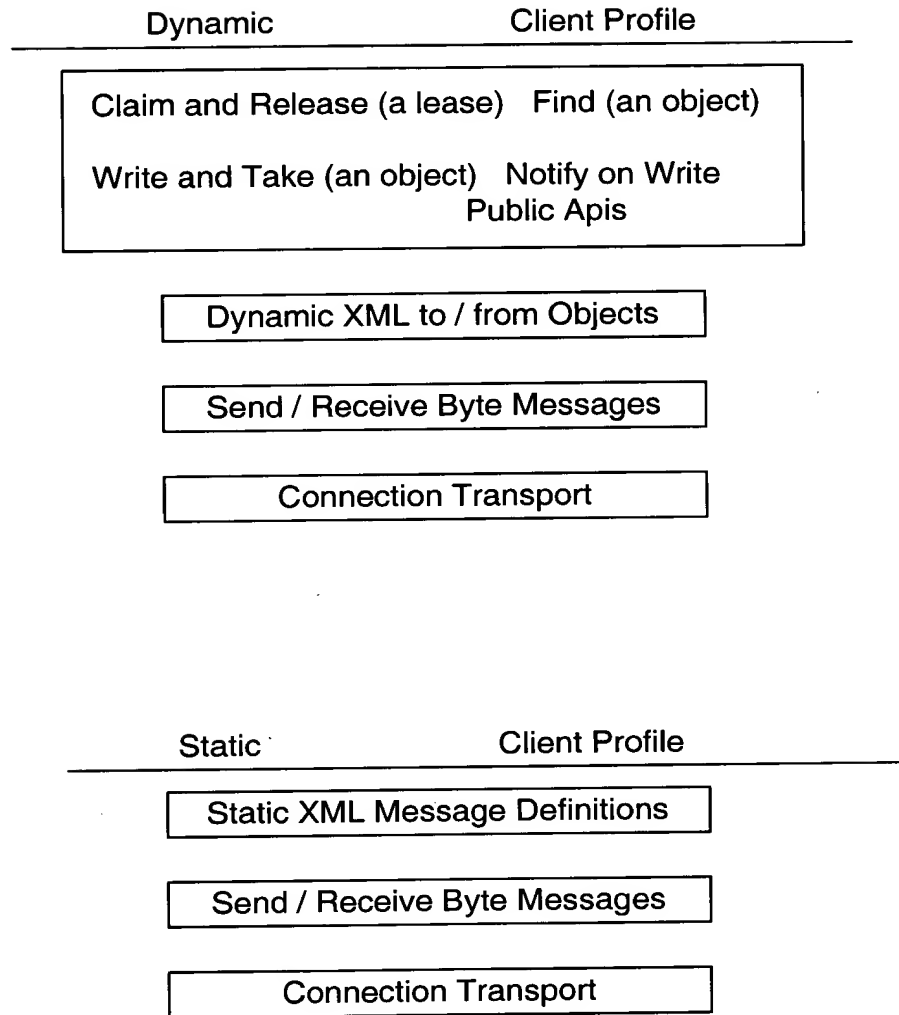


Fig. 5

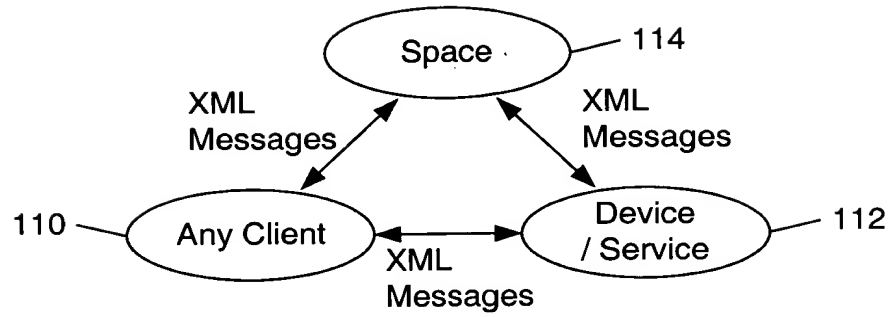


Fig. 6

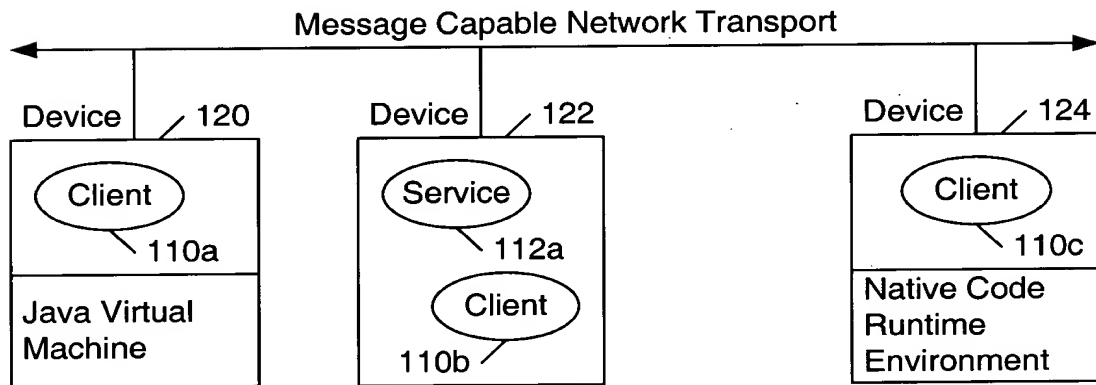
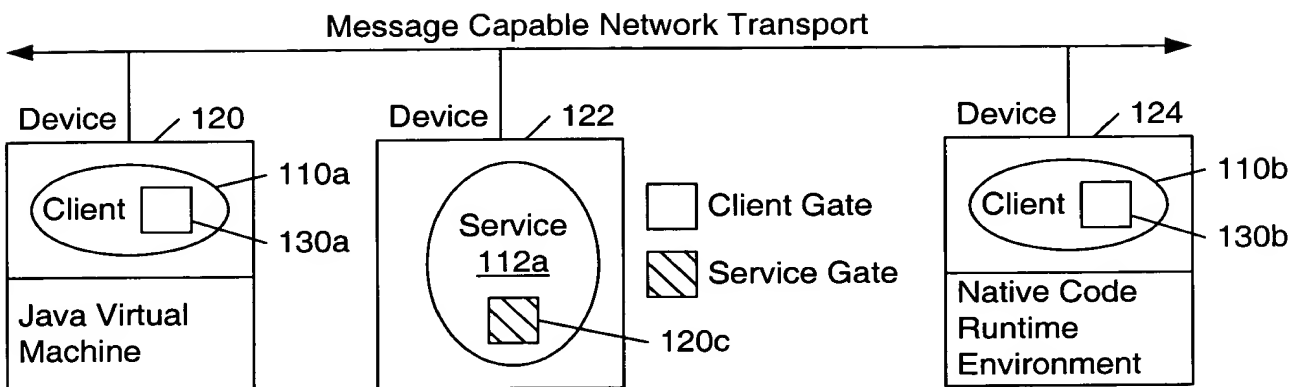
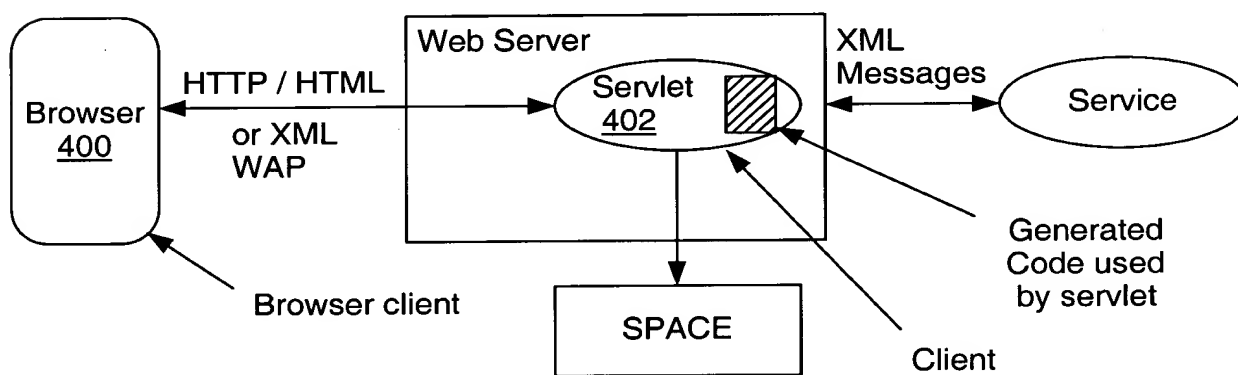
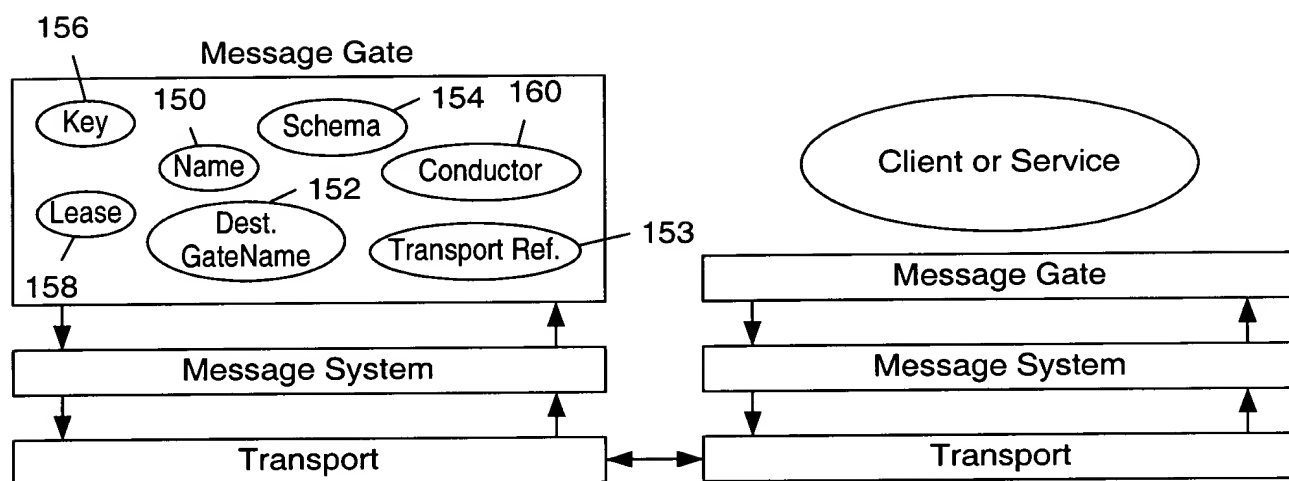


Fig. 7









**Fig. 14**

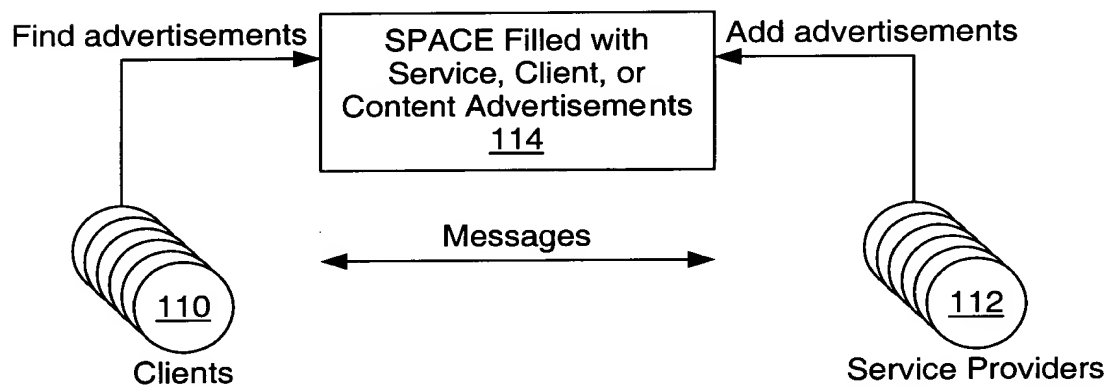


Fig. 15

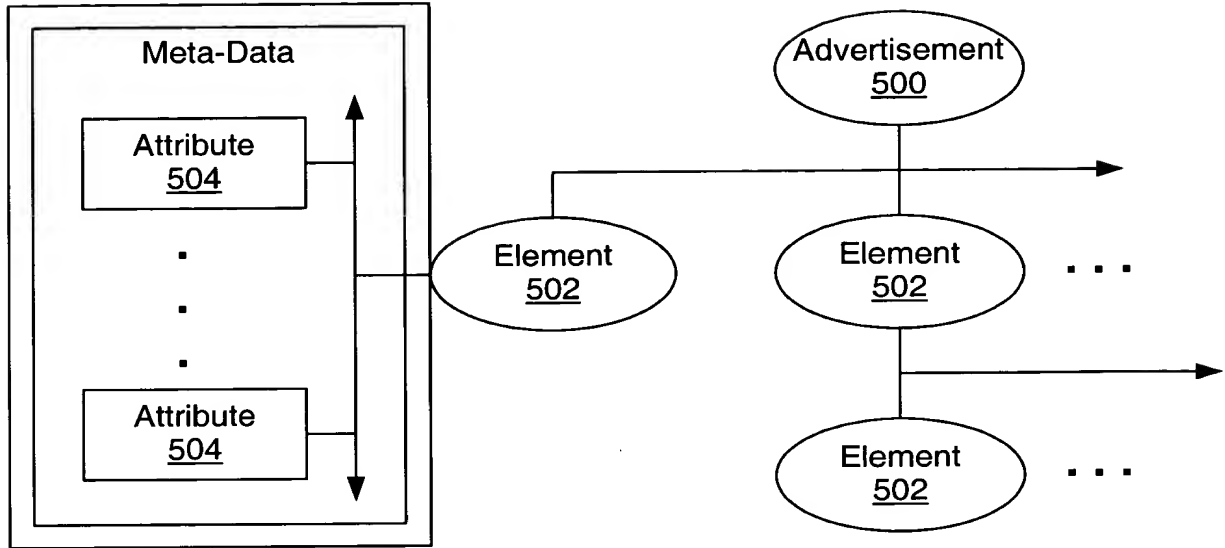


Fig. 16

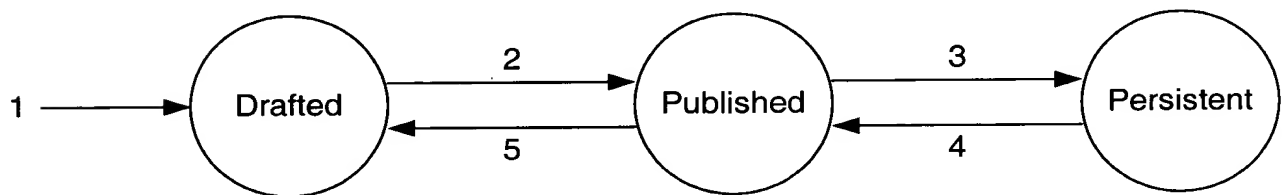


Fig. 17

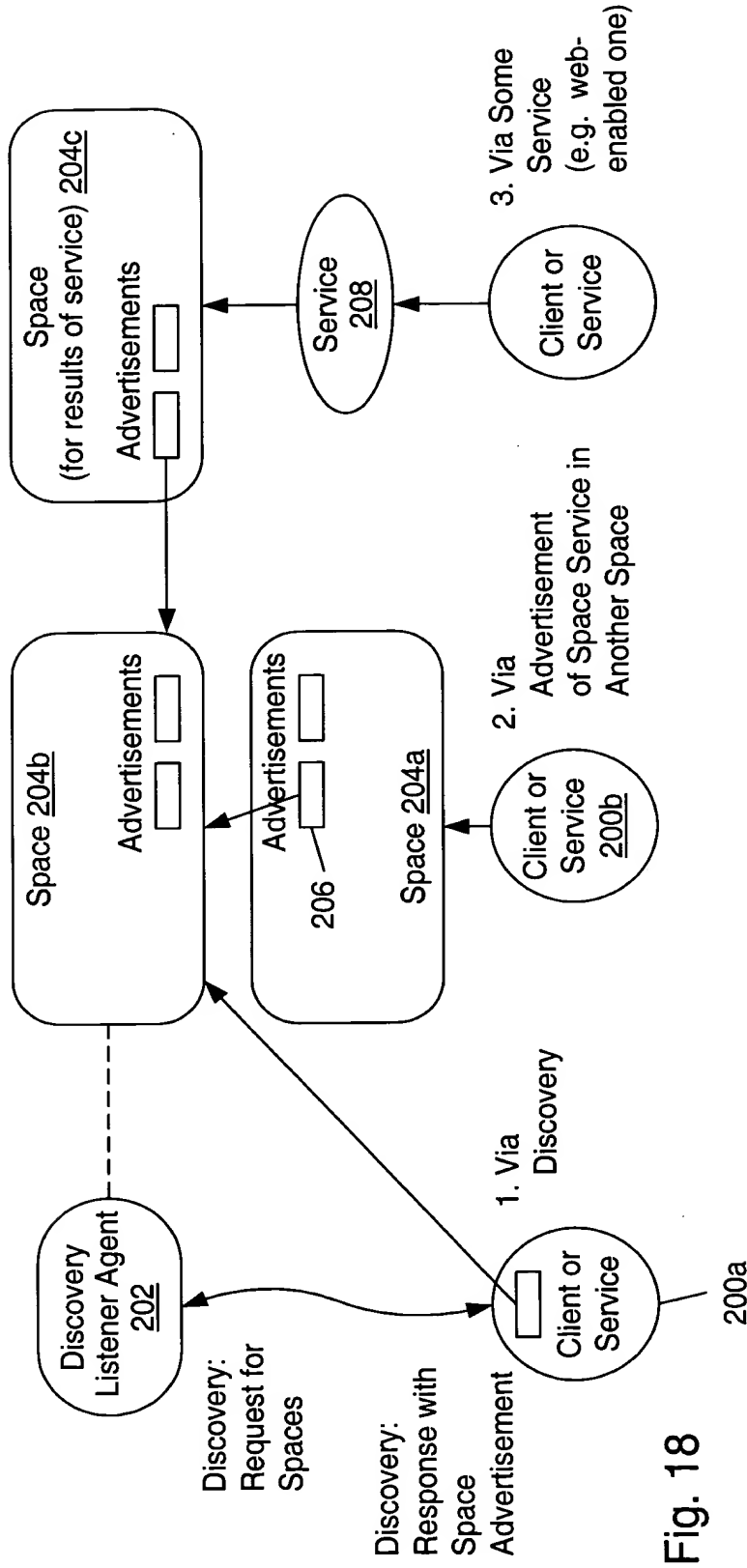


Fig. 18

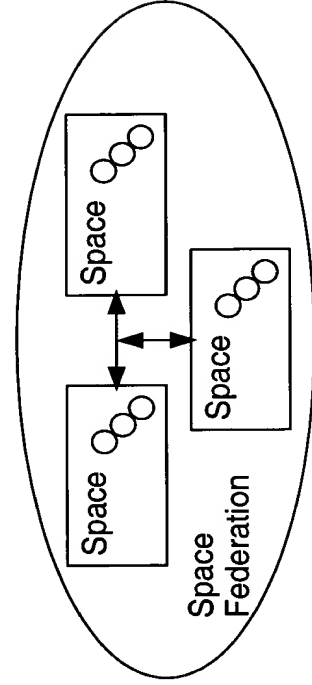


Fig. 19

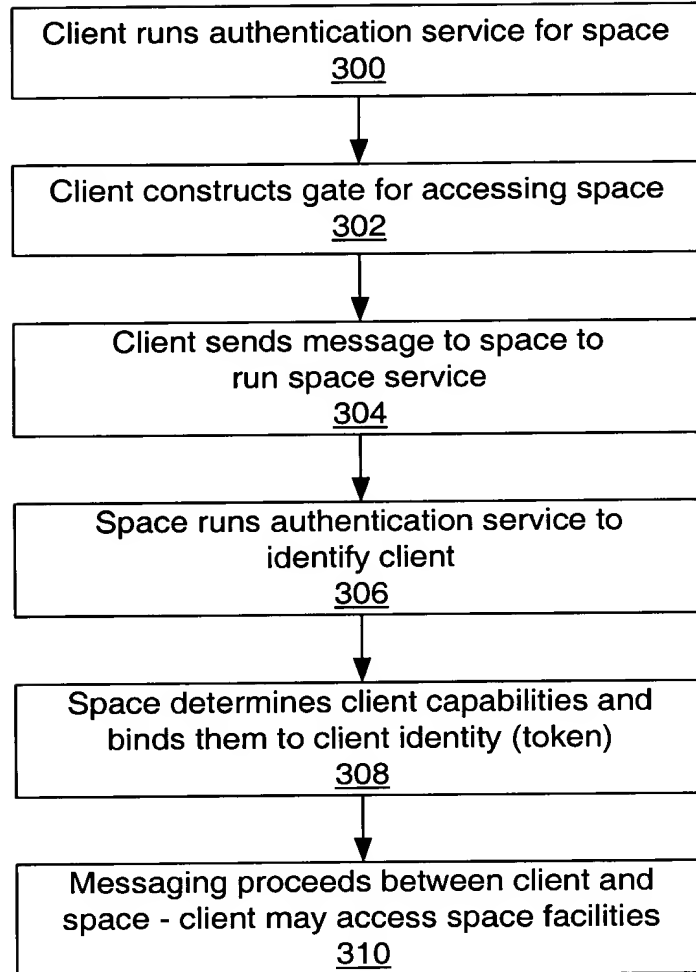


Fig. 20

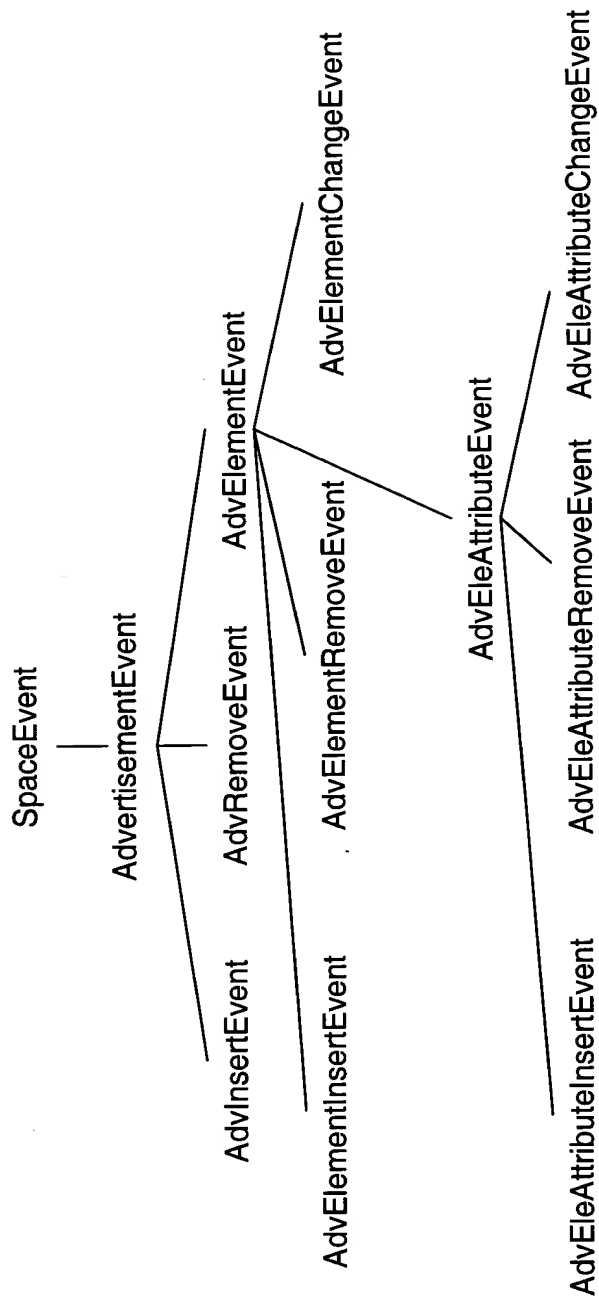


Fig. 21

```

graph TD
    320[Client selects service advertisement  
published in space  
320] --> 322[Client sends message to space requesting  
instantiation of service  
322]
    322 --> 324[Space verifies request  
324]
    324 --> 326[Space obtains lease for service  
326]
    326 --> 328[Space sends lease and service  
advertisement to client  
328]
    328 --> 330[Client runs authentication service specified  
in advertisement  
330]
    330 --> 332[Client constructs gate to access service  
332]

```

Diagram 350 illustrates a system architecture. Two 'Client' entities (represented by ovals) are shown on the left, both pointing via arrows to a central rectangular box. This box is labeled 'Default Space advertising additional spaces 350'. Inside this box, there is a hatched oval labeled '352'. An arrow points from this hatched oval to a rectangular box on the right labeled 'OtherSpace'.

**Fig. 23**

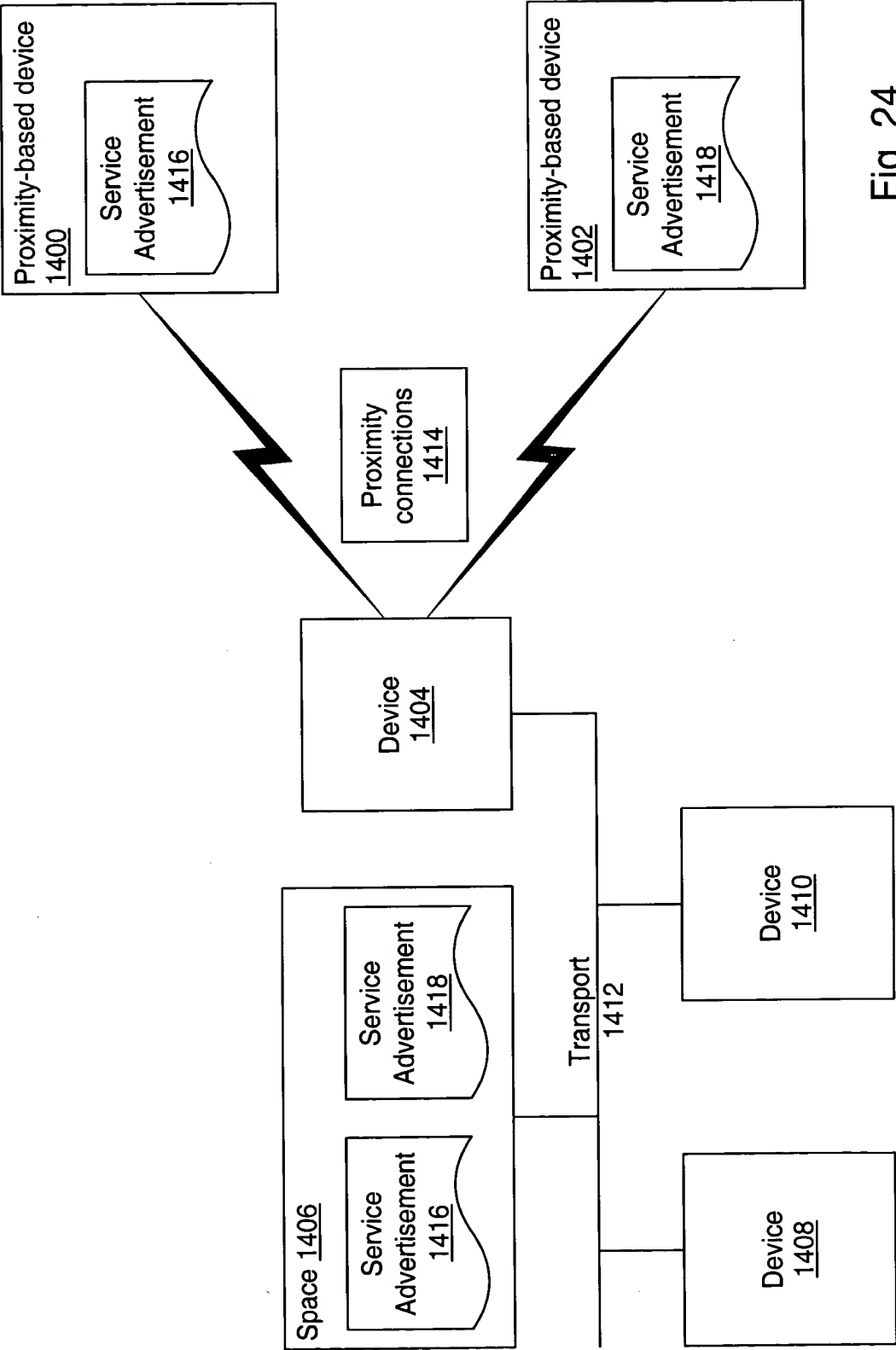
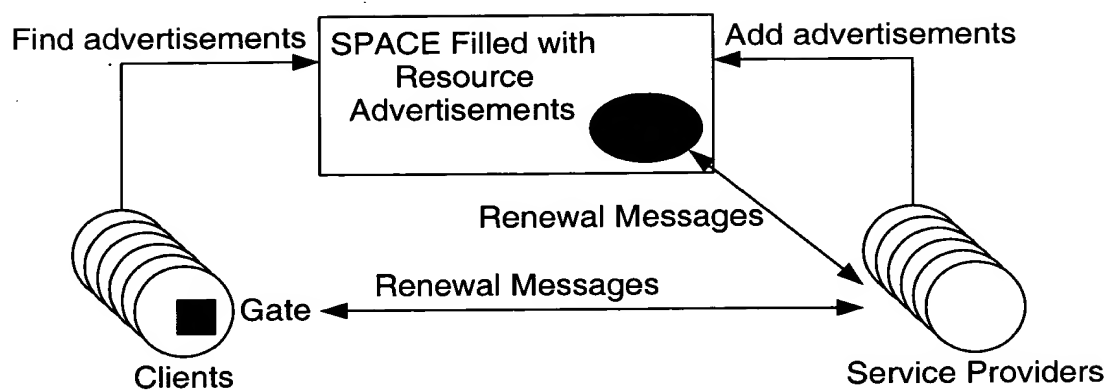


Fig. 24



**Fig. 25**

```

graph TD
    1000[Client requests authentication credential from authentication service  
1000] --> 1002[Authentication service generates authentication credential  
1002]
    1002 --> 1004[Authentication service sends authentication credential to client  
1004]

```

```

graph TD
    1002a[Authentication service obtains client token and service token  
1002a] --> 1002b[Authentication service verifies client and service  
1002b]
    1002b --> 1002c[Authentication service generates authentication credential  
1002c]

```

FIG. 26b

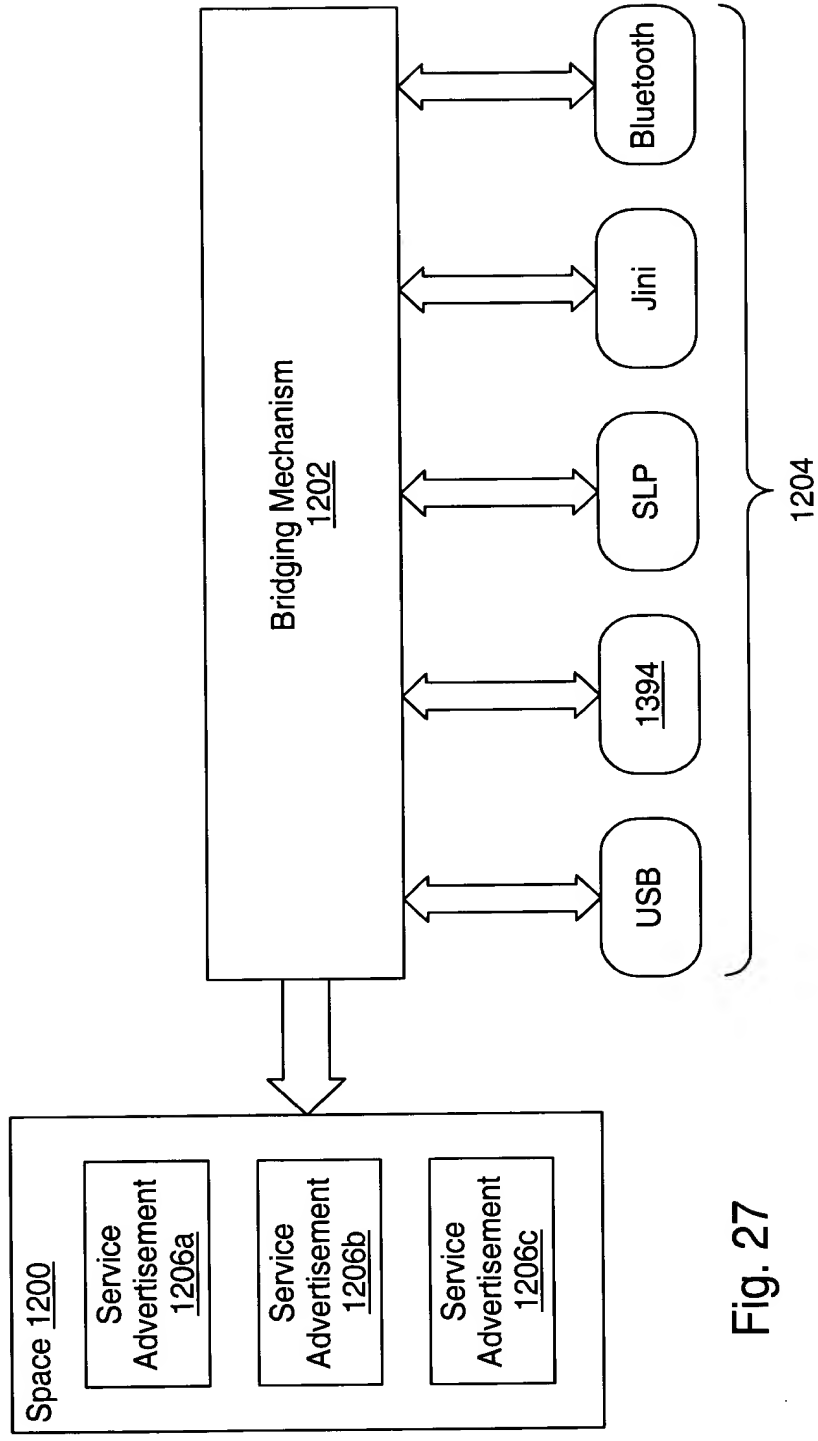


Fig. 27

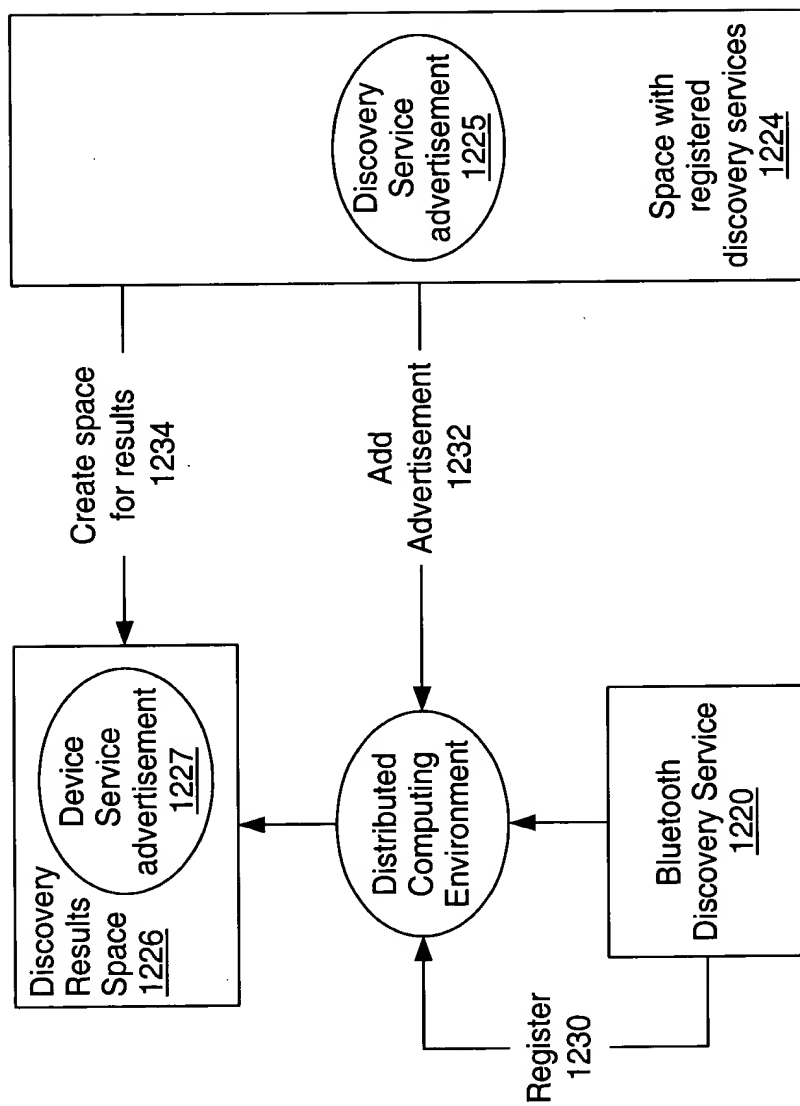


Fig. 28

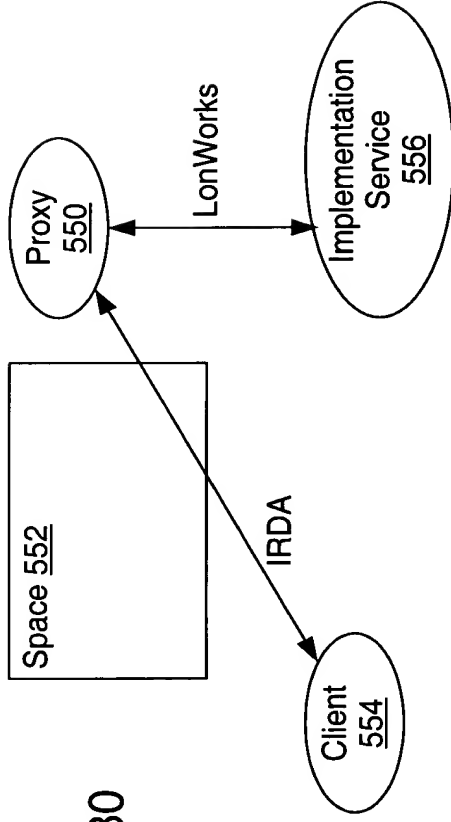


Fig. 30

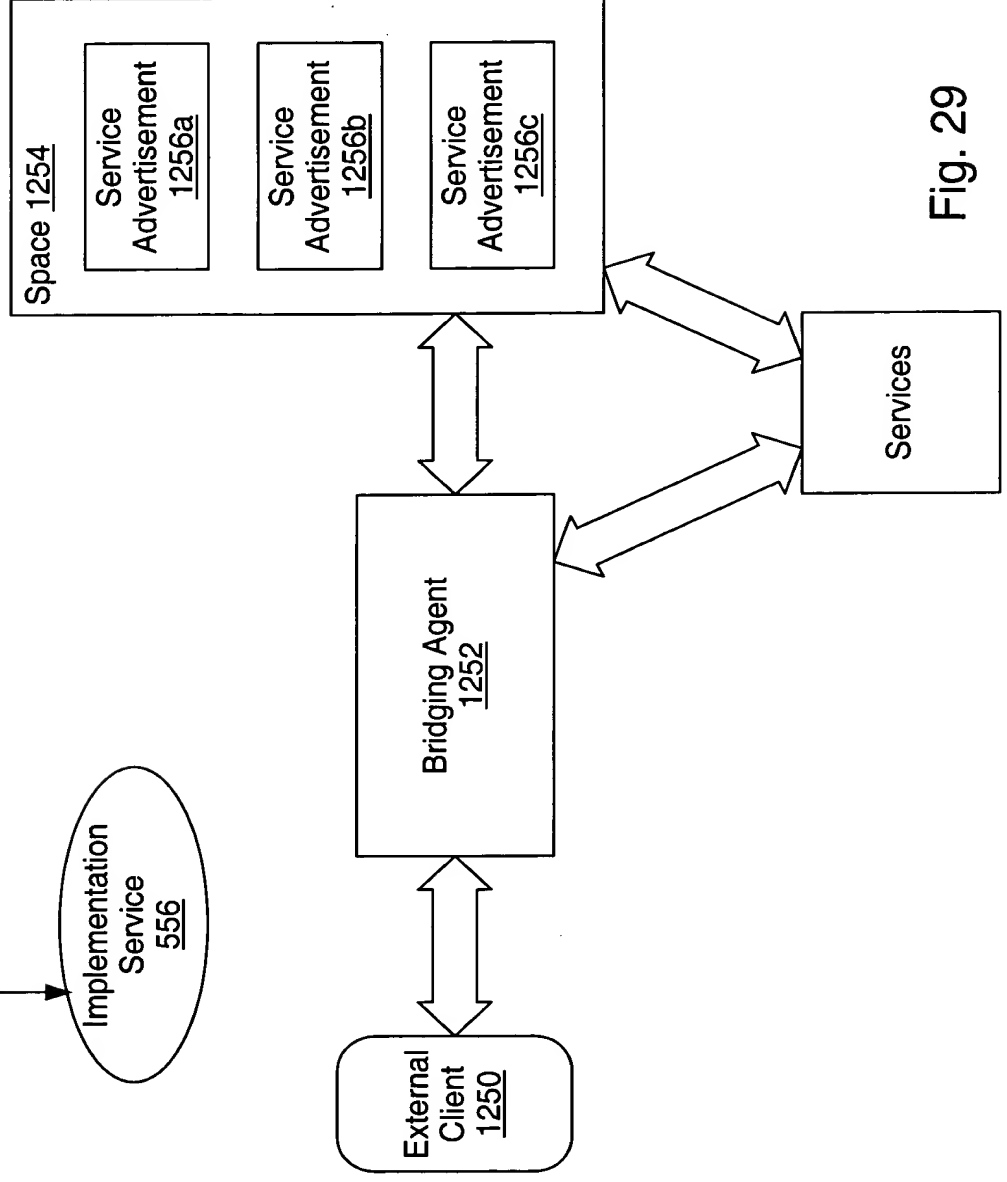


Fig. 29

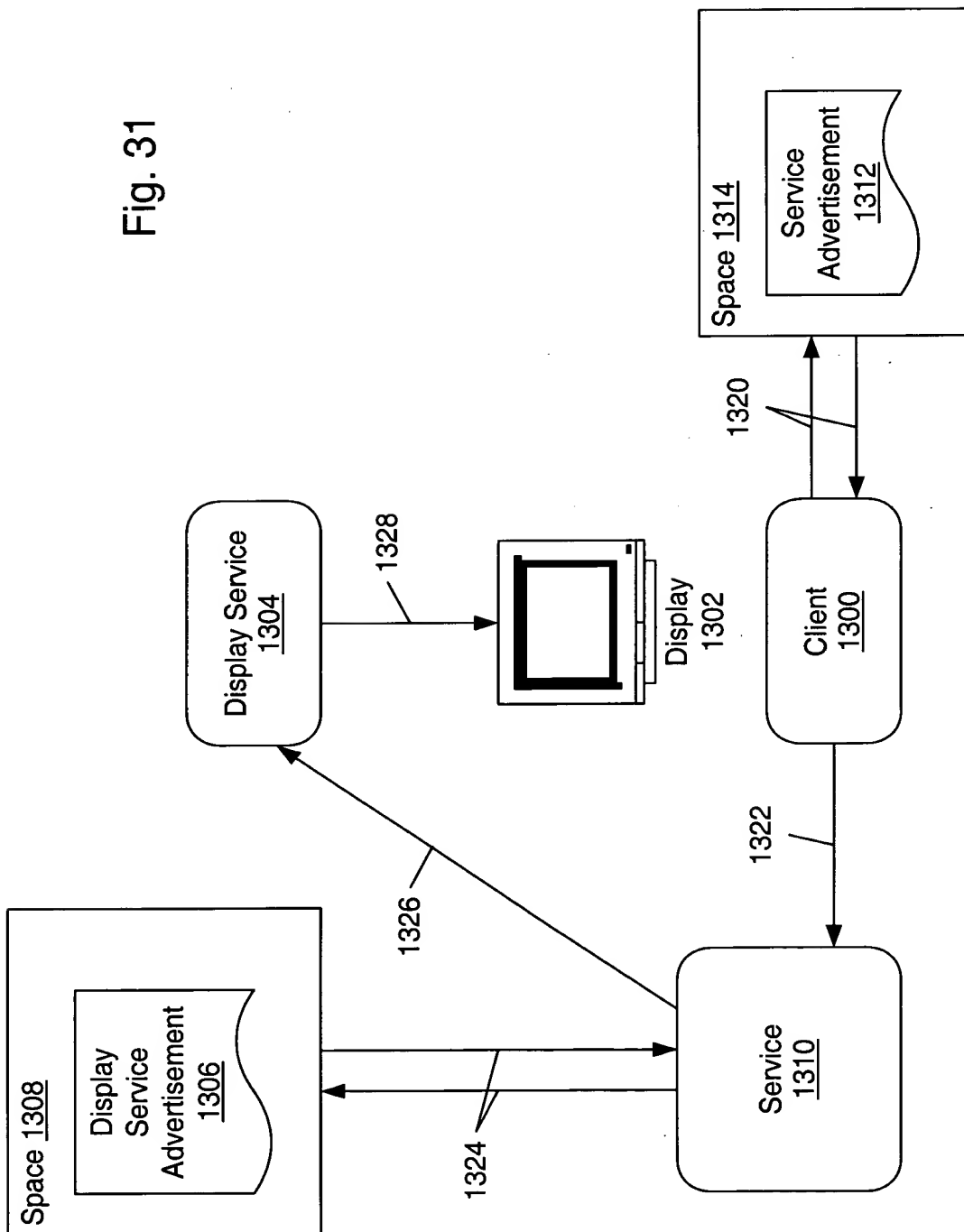


Fig. 31

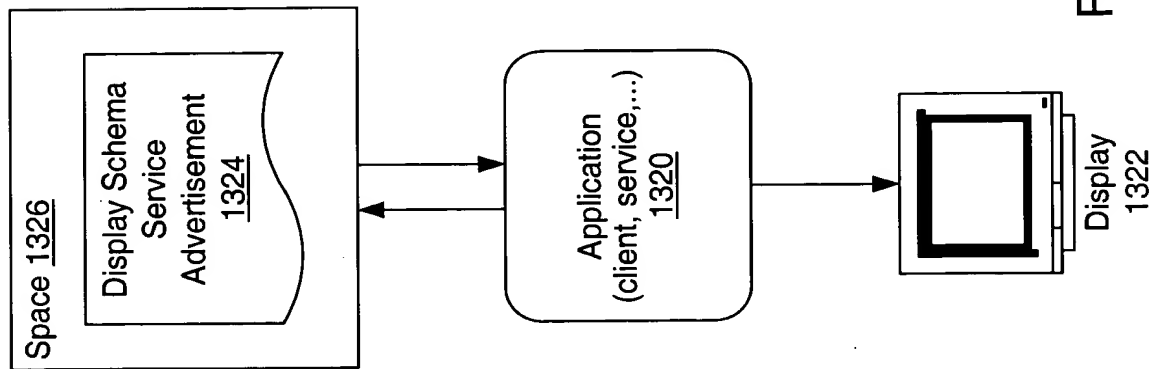


Fig. 32A

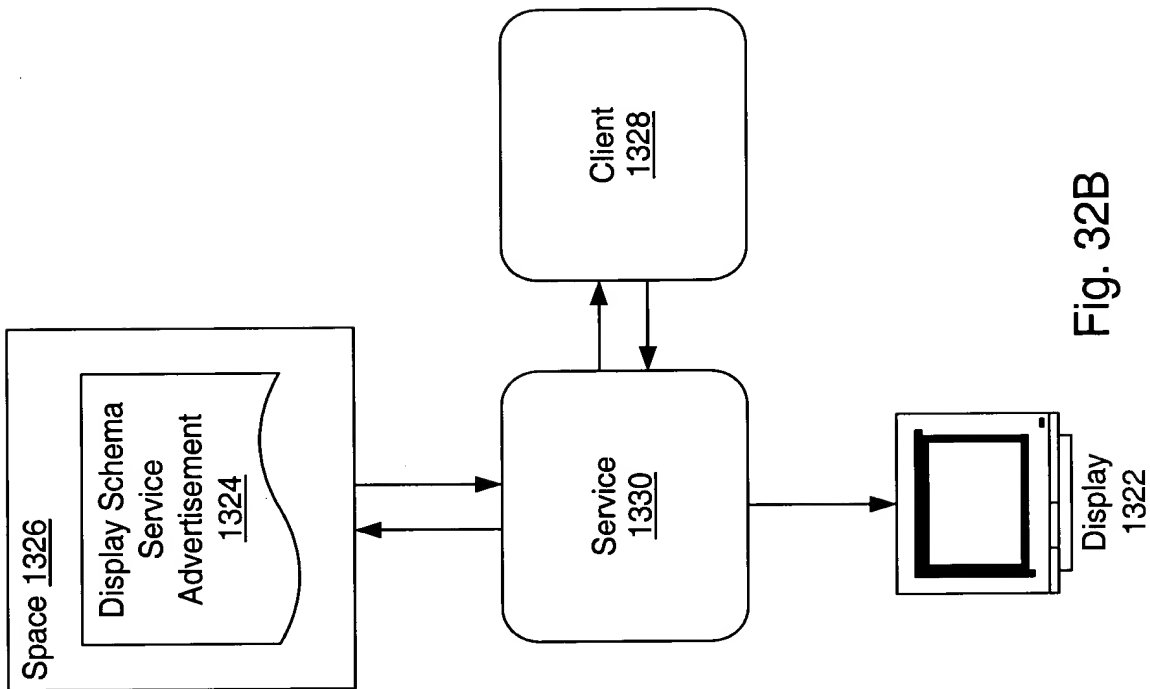


Fig. 32B

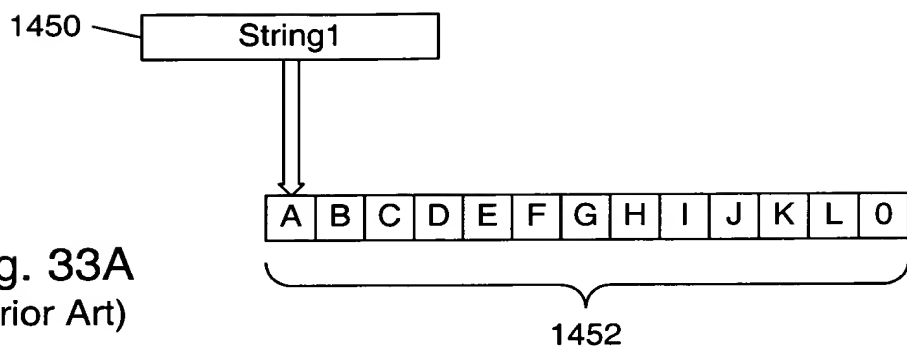


Fig. 33A  
(Prior Art)

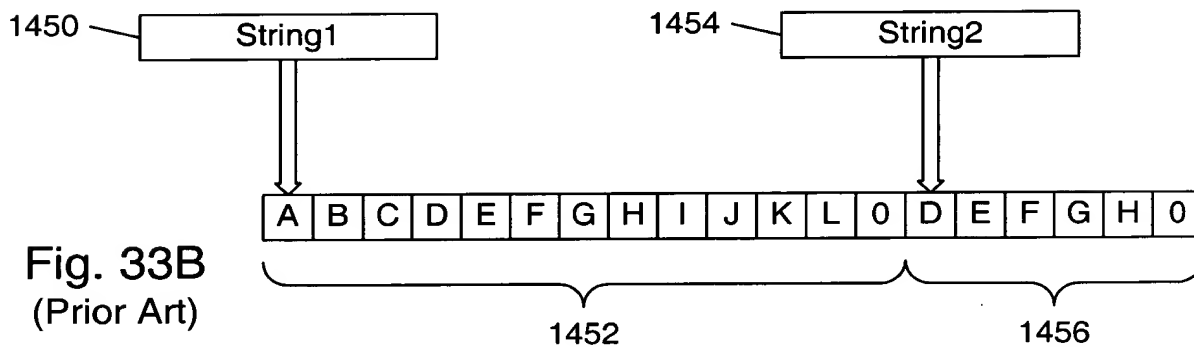


Fig. 33B  
(Prior Art)

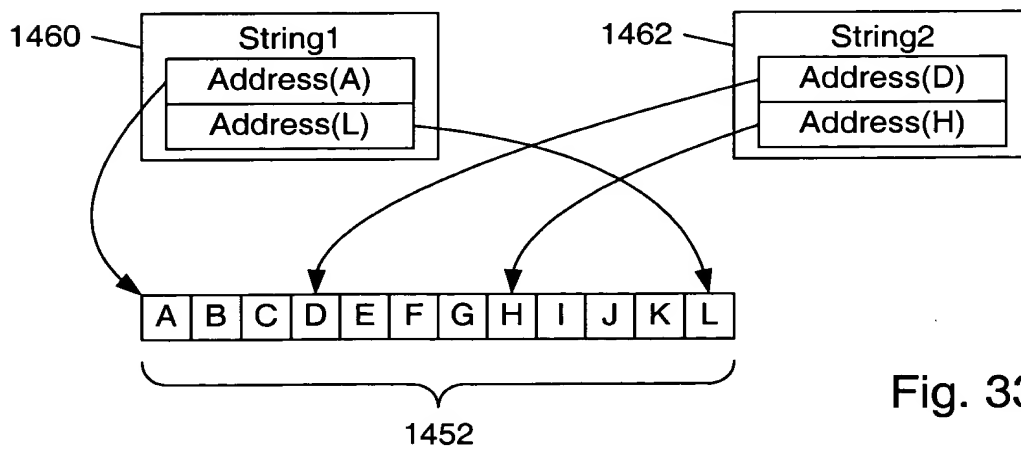


Fig. 33C

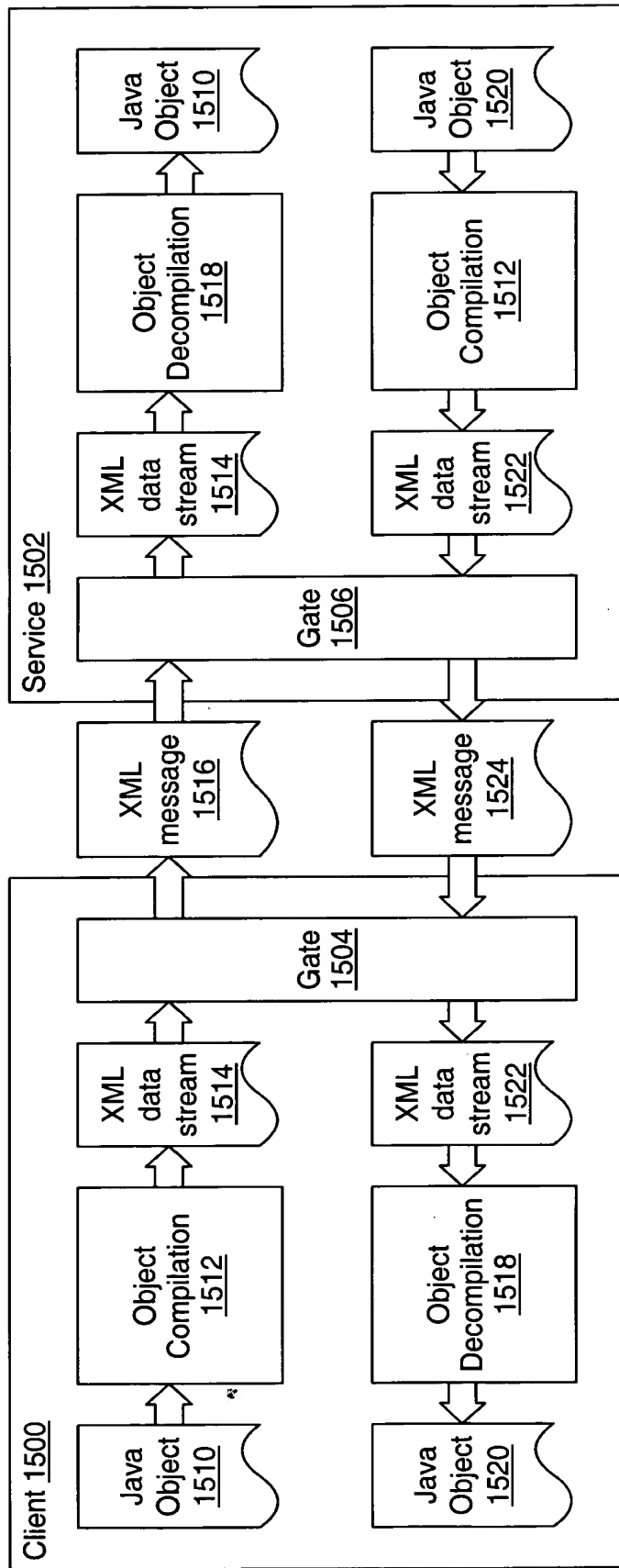


Fig. 34

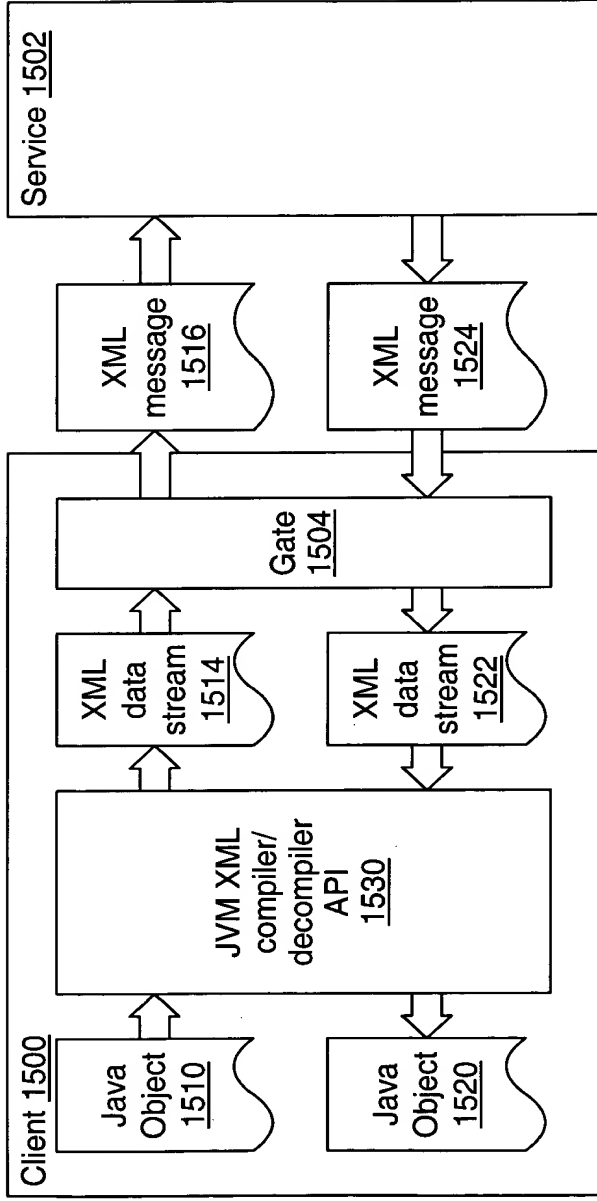


Fig. 35a

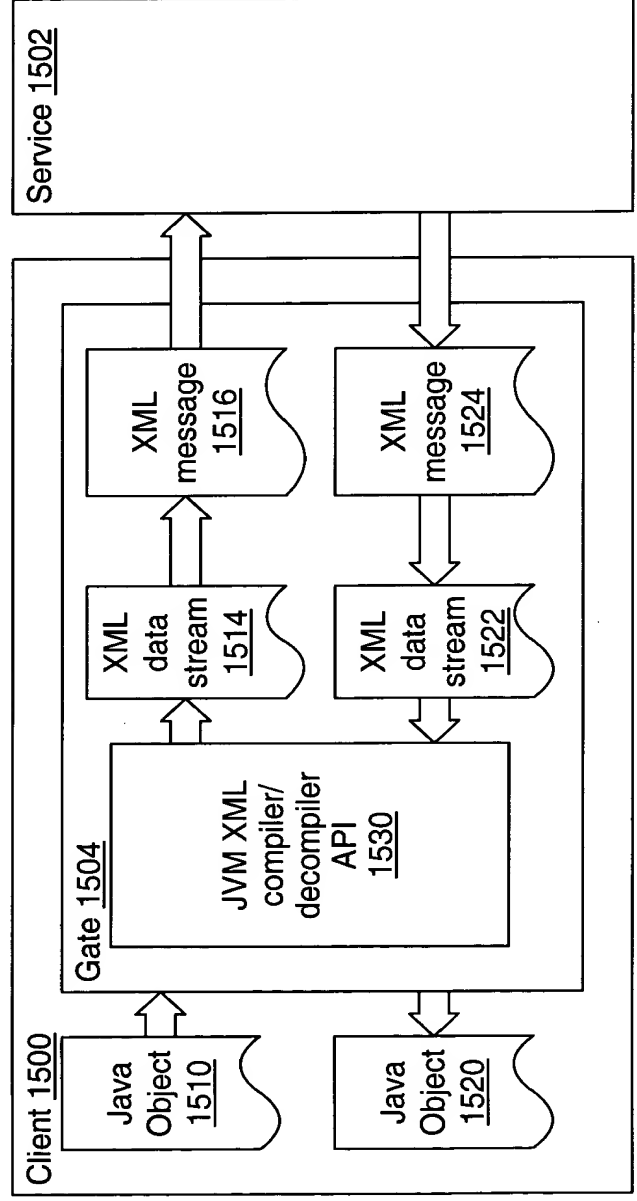


Fig. 35b

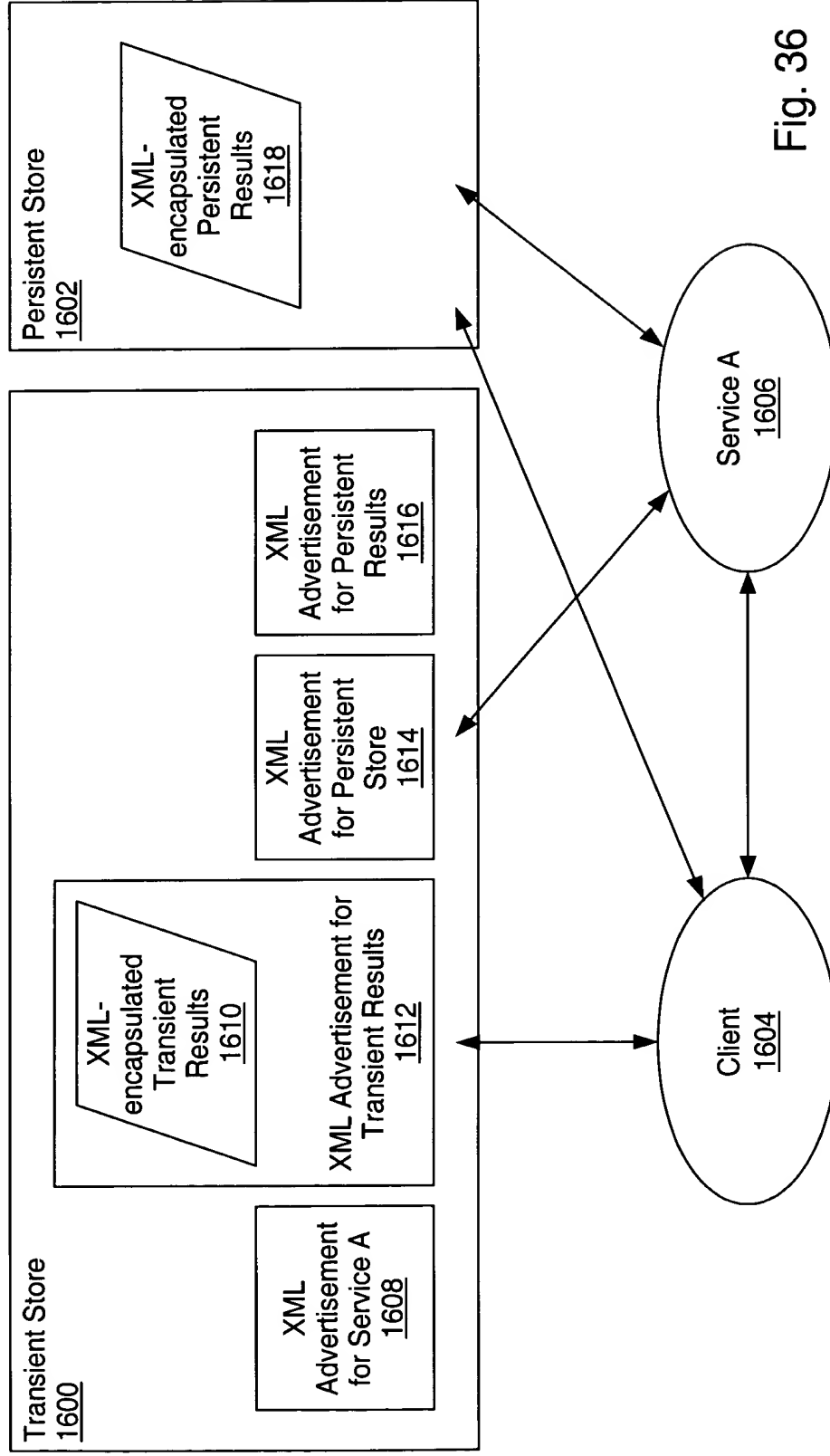


Fig. 36

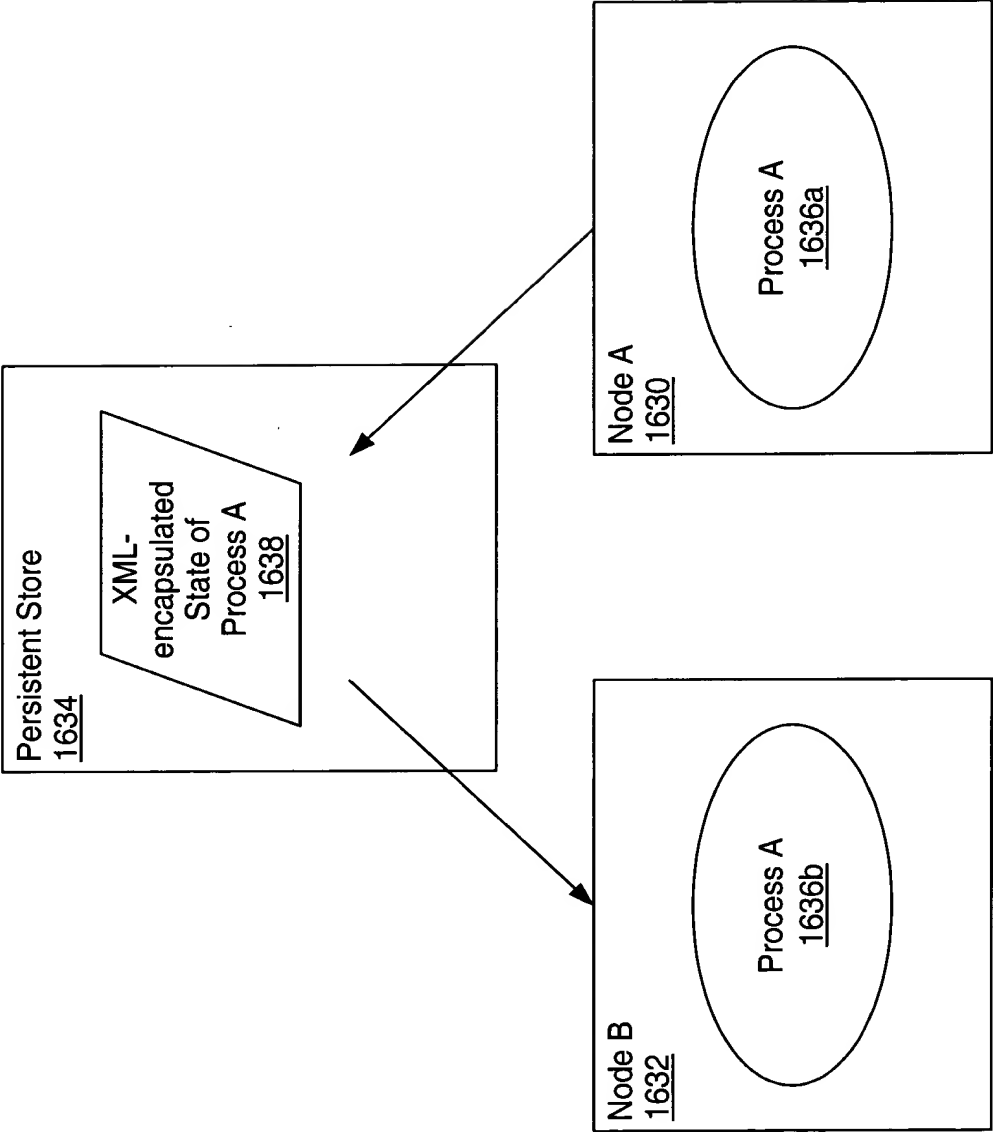


Fig. 37



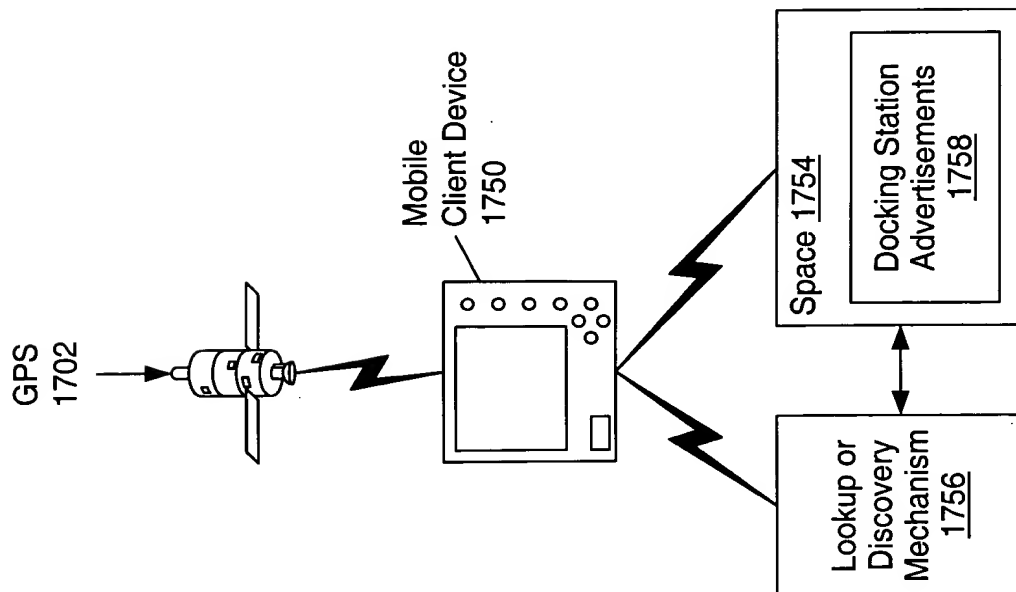


Fig. 39a

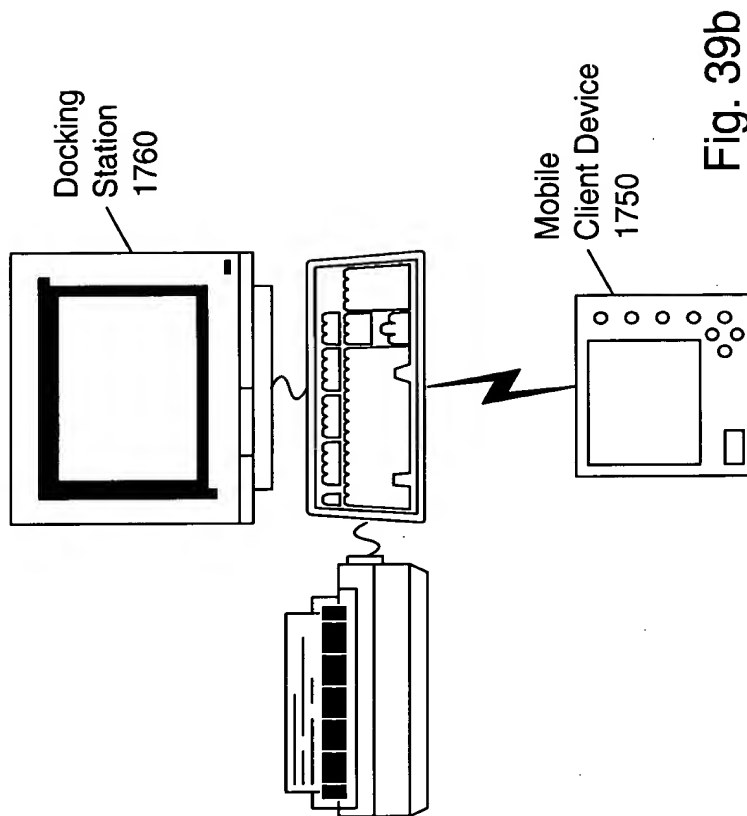


Fig. 39b

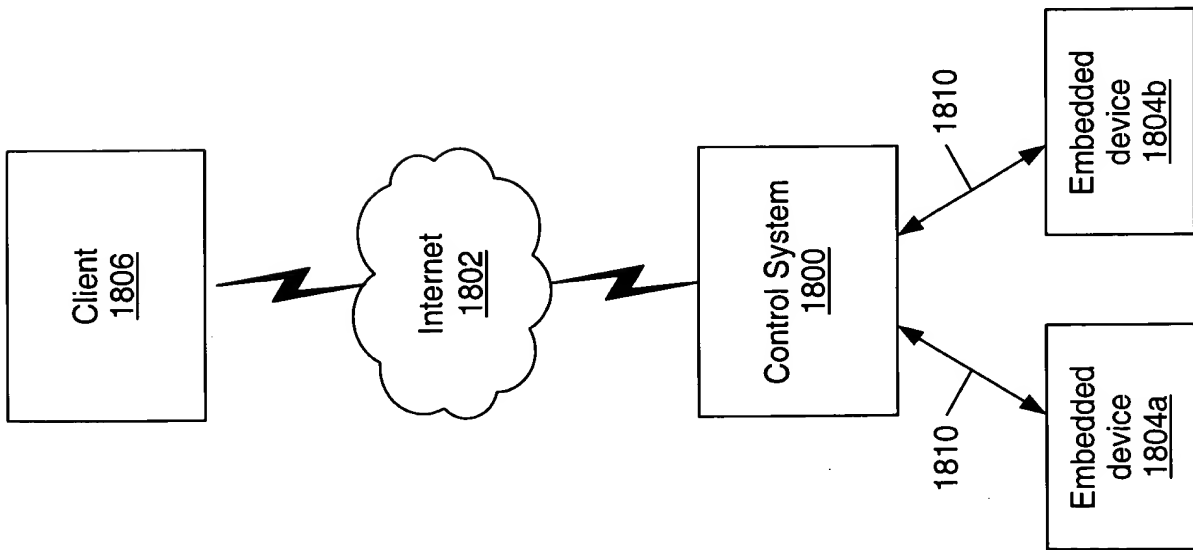


Fig. 40a

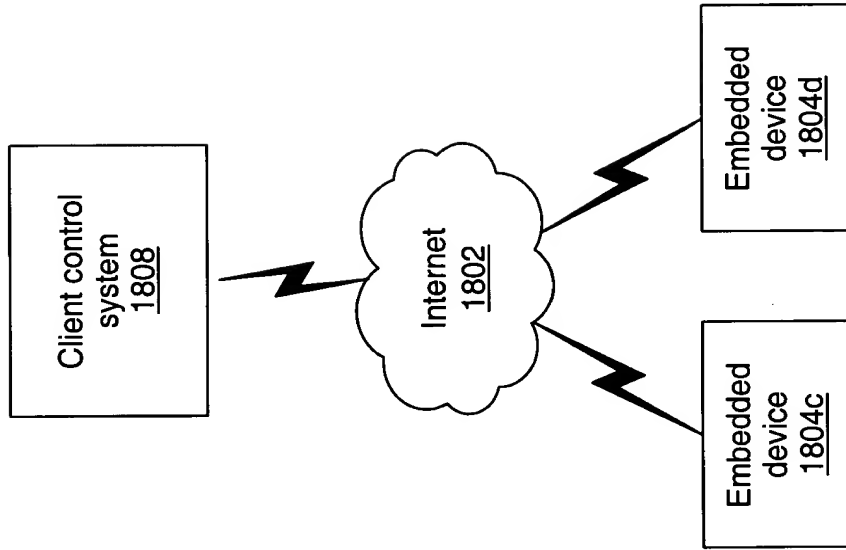


Fig. 40b

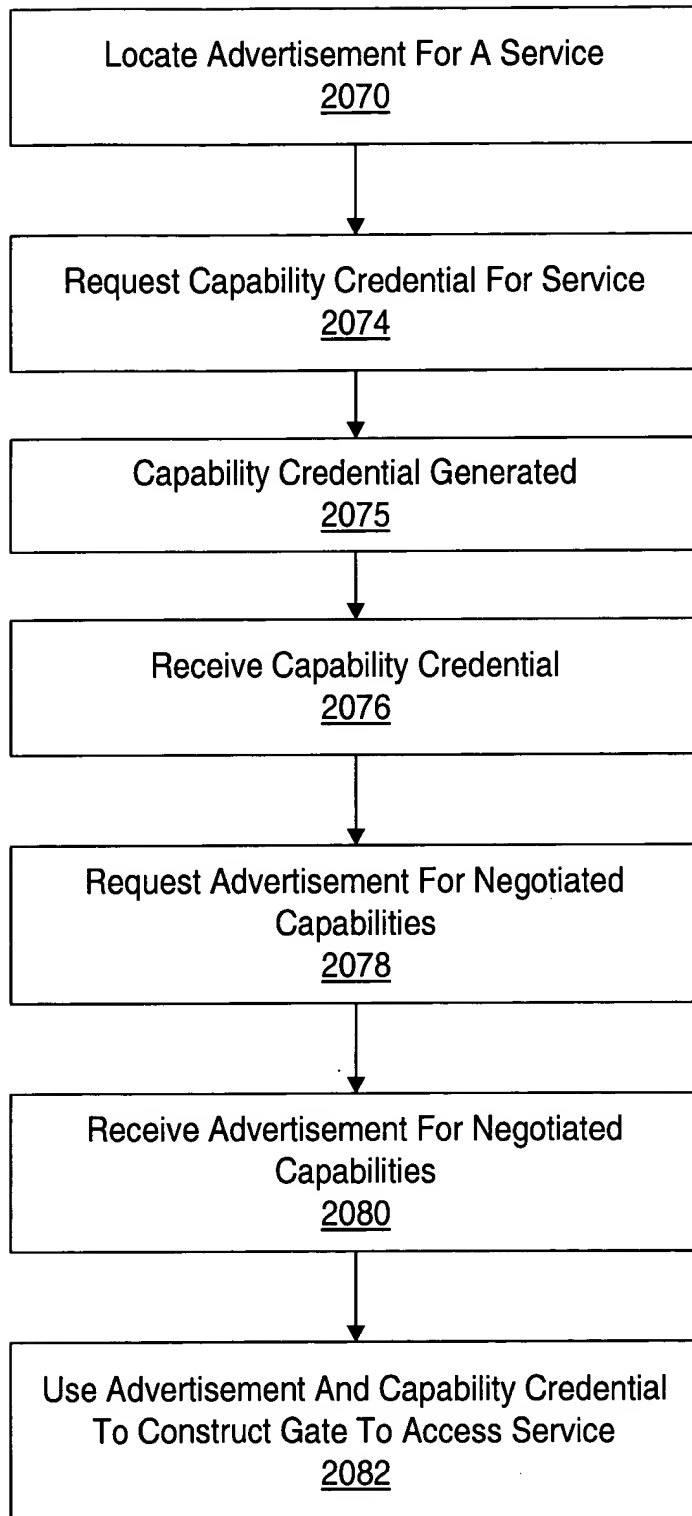


FIG. 41

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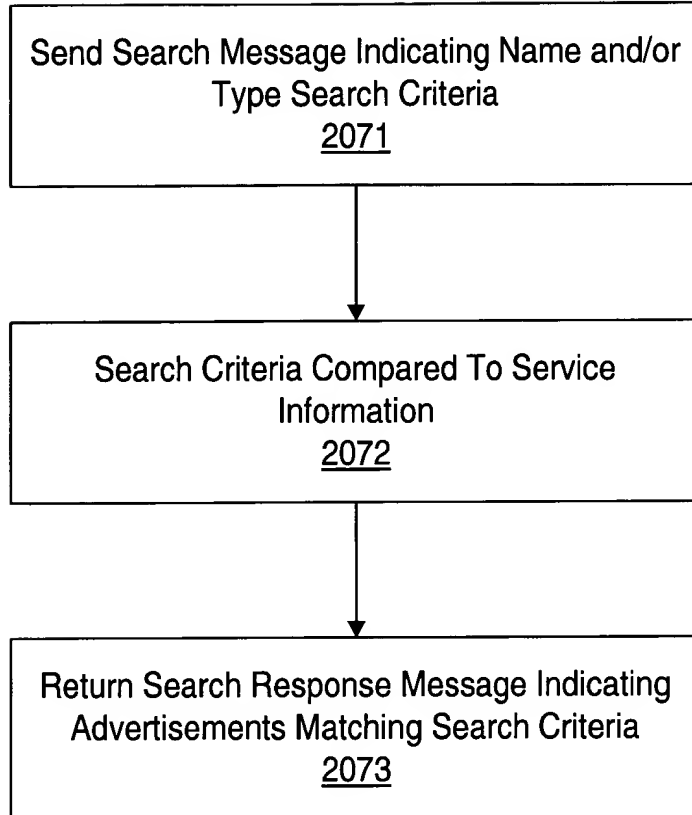


FIG. 42

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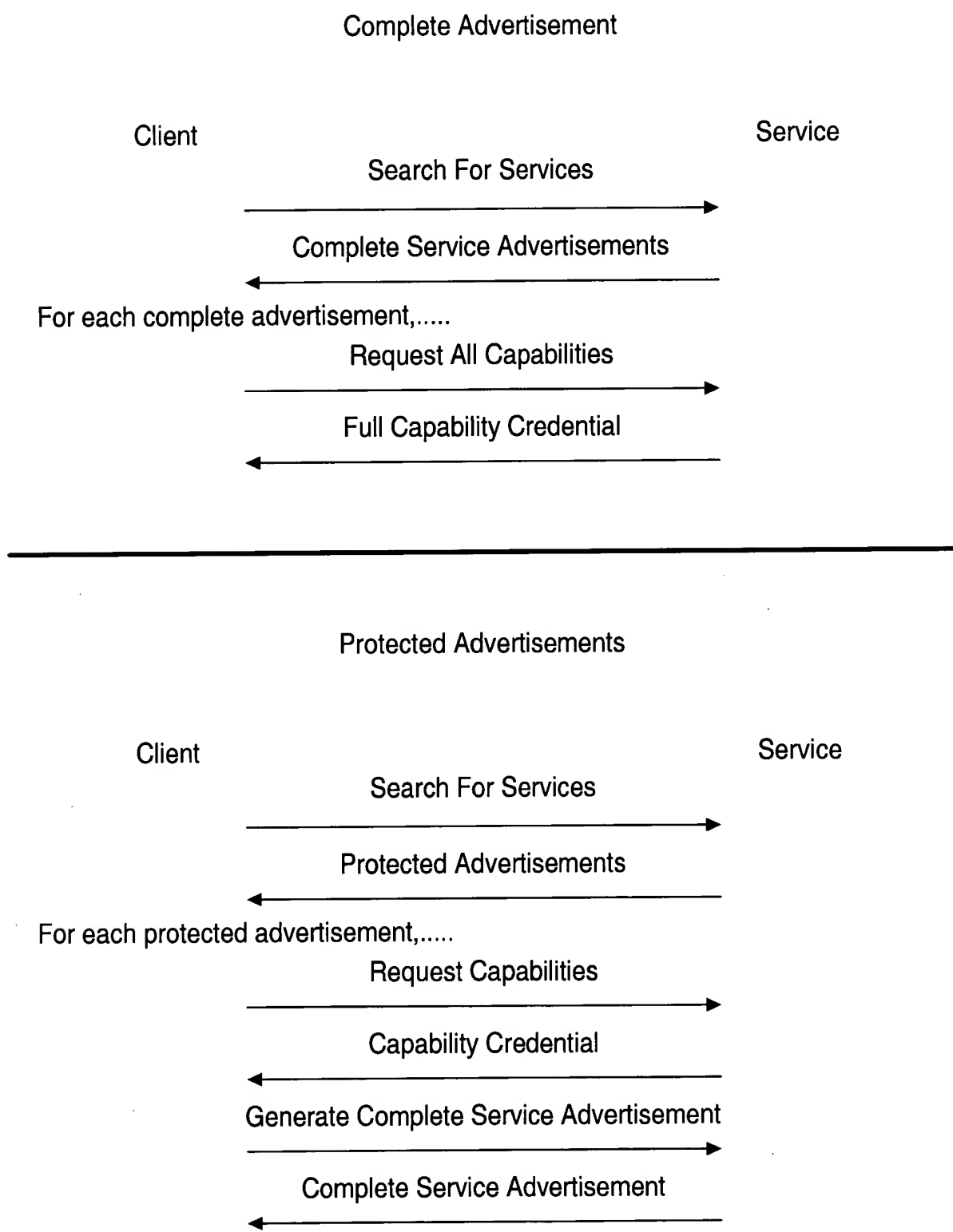


FIG. 43

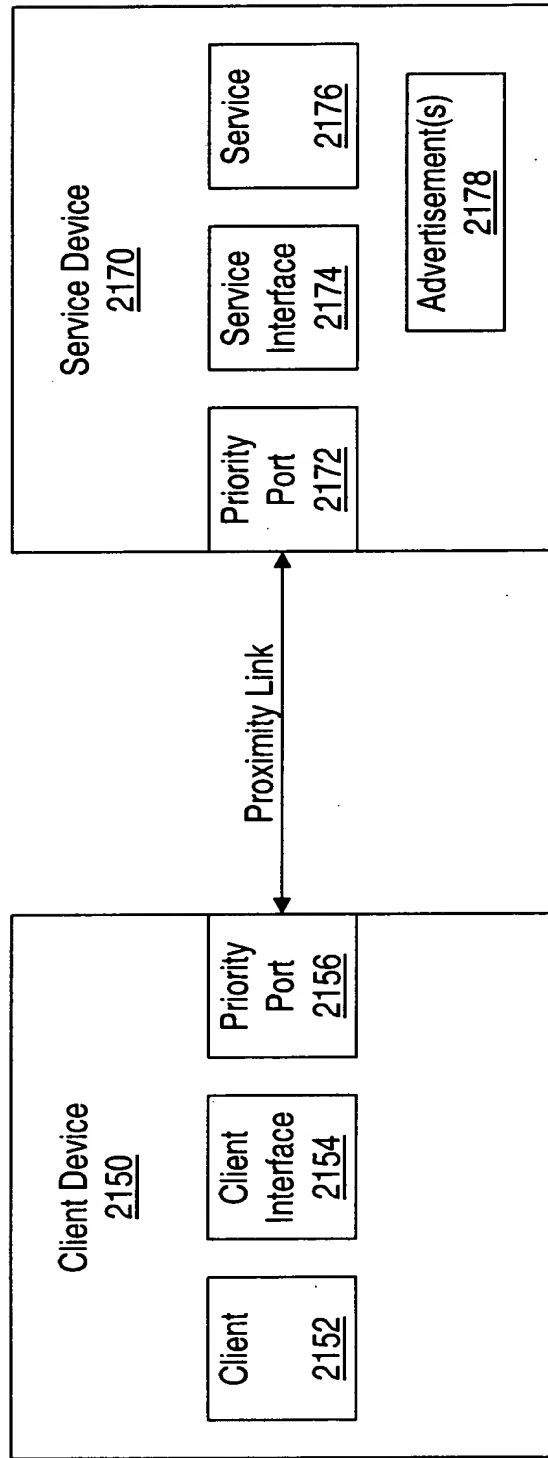


FIG. 44

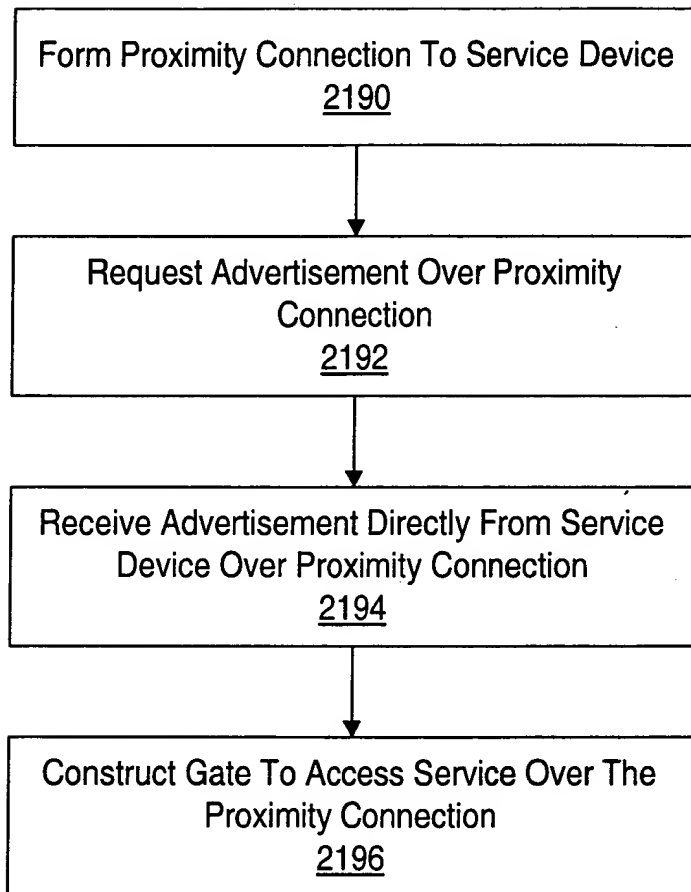


FIG. 45